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Enterprise company

EXECUTIVE OVERVIEW

ARUBA'S REMOTE ACCESS SOLUTION FOR BUSINESS CONTINUITY
Leveraging Aruba Cloud and On Premises Management

Businesses cannot afford to shut down in response to man-made incidents, natural disasters, or pandemics, so contingency planning is essential to ensure business continuity. Aruba's Remote Access Solution with cloud or on premises management platforms helps IT departments address the daunting task of supporting a workforce that's highly mobile and requires access to the same resources as corporate users. By providing a versatile remote networking solution, IT can securely extend the corporate enterprise network at lower cost and massive scale to easily overcome the complexity that makes traditional remote networking options poorly suited for wide-scale business continuity applications. On top of that, multiple failover options ensure that remote sites remain active in case of primary service disruption.

REMOTE ACCESS POINTS

The multi-functional Aruba Remote APs (RAPs) deliver secure and fast wireless and wired network access to enterprise resources for mobile, remote and temporary work spaces. While any AP can be used as a RAP, the Aruba 203 and 303 Series APs are the most popular RAP models with features such as a small form factor, desk-mount capability, one or more local wired ports, the ability to add AC power or midspan adapters, and PoE-out support to power office tools like printers or VoIP phones.
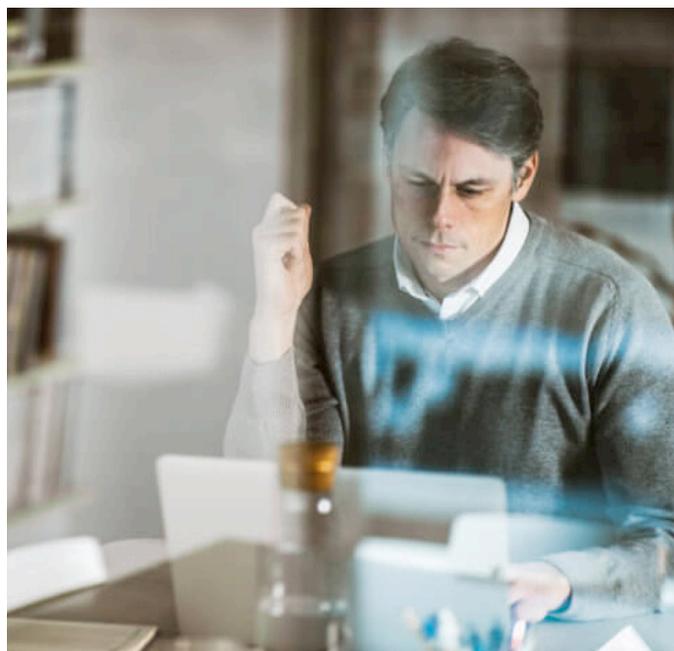
THE ARUBA ADVANTAGE:

- Seamless Application Access: Corporate apps work remotely without disruption
- Resilient WAN Connectivity: Wired and cellular access over any WAN transport
- Always-on Connectivity: Automatic discovery and failover between data center and remote sites
- WAN Independent: Easily move to a new site and use existing broadband connections or cellular networks
- Zero-Touch Provisioning: Easy-to-install design dramatically lowers the cost of deployment
- Wired and Wireless Security: Role-based policy enforcement and authentication for each user
- Highly Scalable Solution that is massively scalable to meet the needs of the largest workforce
- Regulatory Compliance: Built-in reporting and compliance auditing
- Flexible management and deployment options with Aruba Central and Aruba AirWave that support IAP-VPN, Aruba VIA VPN services, and RAP mode

CLOUD MANAGED

Aruba Central is the industry's only cloud-native command center for all-in-one wired LAN, WLAN, VPN and SD-WAN operations across remote, campus, branch, and data center locations. It is a unified network operations, assurance, and security platform that simplifies deployment, management, and orchestration. This includes delivering consistent connectivity requirements to remote users in satellite, home, and temporary work spaces using secure overlay tunnels. End-users connecting from public or private Wi-Fi networks can also install the Aruba VIA VPN client. For more information, read "Aruba Central for Work From Home At A Glance".

ON PREMISES MANAGED

Using the same security as Mobility Controllers in larger branches, the RAPs create a secure SSL/IPSec VPN connection back to an Aruba Mobility Controller over any wide-area transport, including cellular, DSL, and cable networks with plug-and-play simplicity.

Other VPN options include:

1. IAP-VPN connections that enable Aruba Central-managed APs and standalone Aruba Instant networks to terminate sessions onto the Mobility Controllers.
2. Aruba VIA for VPN services that can terminate end-user sessions from public or private Wi-Fi networks onto the same Mobility Controllers.

With Aruba AirWave software, IT network managers can centrally manage and monitor the entire distributed network, suitable for locations with no dedicated IT onsite. And by leveraging the free Aruba Activate service, IT can factory-ship RAPs directly to a remote location and bring a local network online with zero-touch provisioning.

Just like Mobility Controllers in the branch, RAPs support centralized management of data, voice, and video applications, including wired voice over IP (VoIP) desk phones, printers, and other IoT devices. RAP installation is plug-and-play, features built-in diagnostics, and is simple for any employee to power up. Software updates are automatically installed, eliminating the need to manually upgrade hundreds or thousands of sites.

UNIQUE ARUBA CAPABILITIES

Seamless application access

Aruba's RAP, just like the Mobility Controller, extends the workplace desk experience anywhere that has an Internet or cellular connection. Laptops and VoIP phones work just like they do in the office – including four digit dialing.

Resilient WAN connectivity

Should a wired WAN link fail, a select range of RAP and Mobility Controller models can automatically switch to a modern cellular modem for dial back-up. The cellular modem plugs into a USB on the RAP or Mobility Controller, allowing for a wide range of modems and service providers.

Always-on connectivity

Aruba's solution supports both inter- and intra-data center redundancy. The RAP does not need to be programmed individually with route information – they're capable of discovering alternative paths automatically. In the data center, local VRRP-based high availability provides fast fail-over between devices. Should the data center connection become unavailable, RAPs and Mobility Controllers can fail-over to a redundant controller in another data center, providing a second line of defense.

Zero-touch provisioning

RAPs can be deployed without IT touching any of the devices. The administrator simply configures a list of authorized RAPs on the controller, and when a RAP connects and presents a digital certificate that matches the authorized list it will automatically become part of the enterprise infrastructure. Configuration and software updates are automatically loaded in real-time as configuration changes are made.

Wired and wireless security

RAPs and Mobility Controllers feature secure wired and wireless connections that include encryption and user authentication to protect the remote network. In addition, the Aruba Wireless Intrusion Prevention (WIP) module provides advanced security, and the Policy Enforcement Firewall-V module extends application and user awareness to the remote site.

Highly scalable solution

The Aruba Remote Access solution is massively scalable and economical for an office for one, to thousands of satellite offices. Mobility Controllers act as VPN concentrators and scale to support over 2,000 RAPs per controller.

Regulatory compliance

SOX, HIPAA, PCI, and GLBA, and other regulations mandate how data are handled, including the separation of data and reporting. Aruba's Policy Enforcement Firewall and AirWave are uniquely suited to enforce administrative policies and assist with compliance reporting.

Centralized management

Management and reporting can be performed by either AirWave or the Aruba controller. AirWave provides visibility into the LAN side of the branch office, and includes information on both individual users and devices. It also links into other existing IT management software, provides extensive reporting capabilities, and has specialized views for Help Desk, Security/Audit groups, and executive management

SUMMARY

Aruba's proven Remote Access Solutions for Business Continuity deliver a seamless user experience, robust and secure connectivity, and comprehensive cloud or on premises IT management platforms to quickly respond and recover when a major disruption to business as usual occurs. To learn more, visit the Remote AP webpage or contact your Aruba sales or technical representative.

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